



Category: Monoclonal Antibodies Cat. #: MAB-606030017
Product Name: Mouse Monoclonal Antibody to CD 247

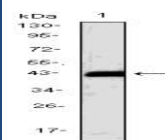


Figure 1: Western blot analysis using CD247 mAb against CD247-hIgGFc transfected HEK293 cell lysate.

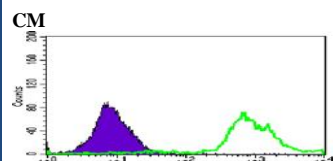


Figure 4: Flow cytometric analysis of Jurkat cells using anti-CD247 mAb (green) and negative control (purple).

IHC-P (paraffin)

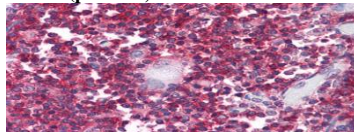


Figure 2: Immunohistochemical analysis of paraffin-embedded human Thymus tissues using anti-CD247 Mouse mAb

ICC

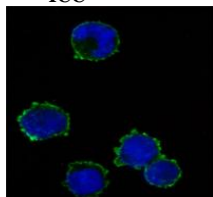


Figure3: Immunofluorescence analysis of K562 cells using anti-CD247 mAb (green). Blue: DRAQ5 fluorescent DNA dye.

Lot#:

Clone#: 4B10

Host and isotype: Mouse IgG1

Size: 0.1ml

MW: 18kDa

Aliases: T3Z; CD3H; CD3Q; CD3Z; TCRZ; CD3-ZETA; CD247

Entrez Gene: 919

Species reactivity: Human

Description

The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Immunogen

Purified recombinant fragment of human CD247 expressed in E. Coli.

Applications

Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

Immunofluorescence: 1/200 - 1/1000.

Flow cytometry: 1/200 - 1/400.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4°C, for long term storage, store at -20°C.

Related product

References

1. J Immunol. 2002 Aug 15;169(4):1705-12.
2. Arthritis Rheum. 2003 Jul;48(7):1948-55.
3. Nat Methods. 2005 Aug;2(8):591-8.

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